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OFFICIAL PUBLICATION

New Hampshire Chapter of the American Institute of Architects

SEPTEMBER

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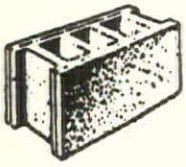

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ALEXANDER MAJESKI, R. A.
Palomino Lane
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OUR COVER

Exterior View of International Paper Company's New Plant at Manchester, N. H.

Photo By
The Camera Shop
Manchester, N. H.

The President's Message

The effect of a bottleneck was never more forcefully presented than that caused by the recent steel strike. All over the country construction schedules by necessity have been revised with no device immediately available for avoiding such changes.

To the man on the street there must be something wrong with a contractor who permits a job to stand idle, or nearly so. Before the strike delivery of steel was slow but with the strike an understanding of the contractor's unfortunate situation is essential. In some cases an immediate effect for him of extending delivery schedules will be the unexpected carrying on work in cold weather.

A more permanent effect will be a general increase in cost of buildings where structural steel members are normally employed, as well as the great cost of other material made from steel.

However, new materials or different ways of using older ones are constantly being developed. It is probable that price differentials that often ruled out these developments will now be lessened as a result of changes in the price structure of steel products resulting in a more general use of the new products. Thus the ultimate effect of the disturbance in the steel industry may well prove to be beneficial to architecture in the fields of esthetic and economic design.

Plan to attend the New England Seminar
October 12-13 at Basin Harbor Club, Vergennes, Vt.

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Summer Outing of N. H. Chapter, A.I.A.

The annual summer outing of the New Hampshire Chapter, American Institute of Architects was held at the Arlberg Inn, Gilford, August 16. The highlight of the meeting was a talk by Professor Marvin E. Gody of Massachusetts Institute of Technology who spoke about the "House of Tomorrow," a house built of plastics that was designed by M.I.T. for the Monsanto Chemical Company.

The following members and guests were present:

John D. Betley
John Carter
Mitchell P. Dirsa
W. Brooke Fleck
Russell S. Harmon
Malcolm D. Hildreth
John R. Holbrook
Alexander R. James
Richard Koehler
Alexander J. Majeski
Arnold Perreton
Leo P. Provost
Norman P. Randlett
Stephen P. Tracy
Walter T. Williams
Bliss Woodruff
Frank E. Kennett, Jr.
Everett R. Munson
Charles Chouramanis
Rolland R. Gove
Gordon V. Marshall
Paul E. Farnum

Miss Vivian M. Garst
Charles H. Gray
Mrs. Richard Koehler & Miss Koehler
Mrs. Leo P. Provost
Mrs. Norman P. Randlett
Mrs. Frank E. Kennett, Jr.
Mrs. Everett R. Munson
Mrs. Rolland R. Gove
Mrs. Gordon V. Marshall
Mr. and Mrs. James Briggs
Prof. Marvin E. Gody—M.I.T.
Mr. and Mrs. Albert Stock

* *Guests set in Italic*

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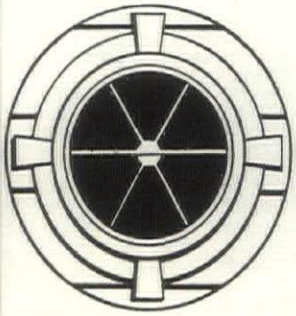

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MANCHESTER, N. H.

Portland Cement Association Opens New Office in Portland

Daniel Webster appointed District Engineer

The Portland Cement Association has announced it will open a district office in Portland, Me., to serve the states of Maine, New Hampshire and Vermont. These states were formerly served by the district office in Boston.

Establishment of the Portland Office will allow the Association to greatly expand its services to cement users in this area. Engineers, builders, contractors and farmers especially depend on the Association for technical help and the latest information on construction practices, research, design and new uses of cement and concrete.

Daniel Webster has been appointed district engineer and will supervise activities of the new Portland Office, which is located at 142 High Street. Two members of the staff of the Boston Office who have been working in the area will be transferred to the new office. They are F. T. Comstock, Jr., field engineer and E. A. Stover, public relations representative. Three additional engineers will be added to the staff serving Maine, New Hampshire and Vermont.

The new district engineer in charge of the Portland Office, Daniel Webster, 50, joined the Association in 1954 as a paving engineer. Previously he was employed by the James W. Sewall Co., Old Town, Me., as Chief Engineer, and had served as City Manager in Old Town and Fairfield, Me. Mr. Webster was previously employed by the Association from 1929-31, at which time he left to join J. P. Webster and Co., Bangor, Me. During World War II he served as a Lieutenant Commander in the U. S. Navy.

Webster, a 1927 Civil Engineering graduate of the University of Maine, is a registered professional engineer in Maine and a member of the Maine Association of Engineers.

(Continued on Page 8)

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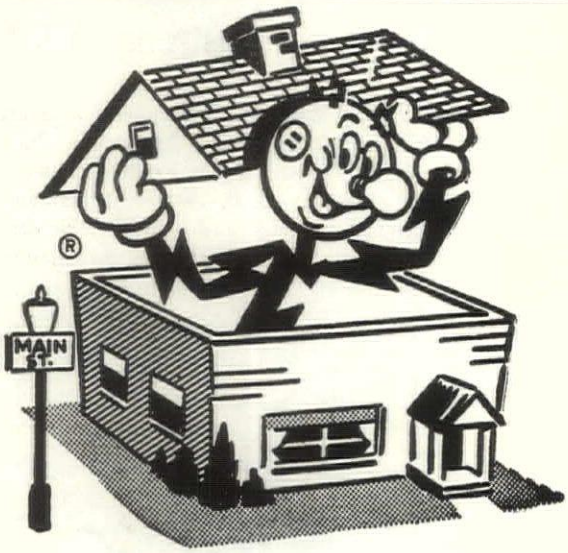

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Establishment of the Portland Office is part of a large expansion of the Association's activities in the eastern seaboard states. In addition to the new office in Portland, offices are being opened in Trenton, N. J., and Baltimore, Md. Other Association offices in this region are located in New York, Boston and Philadelphia. Activities in the area will continue to be under the overall direction of M. J. McMillan, Eastern Regional Manager in New York.

This expansion is needed because of the sharp rise in construction activity in the last several years. Nationwide, construction has risen by more than 60 per cent since 1950. In New England, the value of contract awards increased by 26 per cent last year alone, to a total of nearly $1 billion.

The Association's research, technical service and educational work is supported by the voluntary contributions of some 70 member companies in the U. S. and Canada, who produce a very large proportion of all portland cement used in the two countries.

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Container Division
MANCHESTER, N. H.

JOHN D. BETLEY, A.I.A.
Manchester, N. H.
Architect

HARVEY CONSTRUCTION CO., Inc.
Manchester, N. H.
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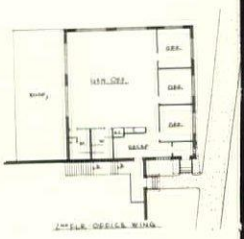
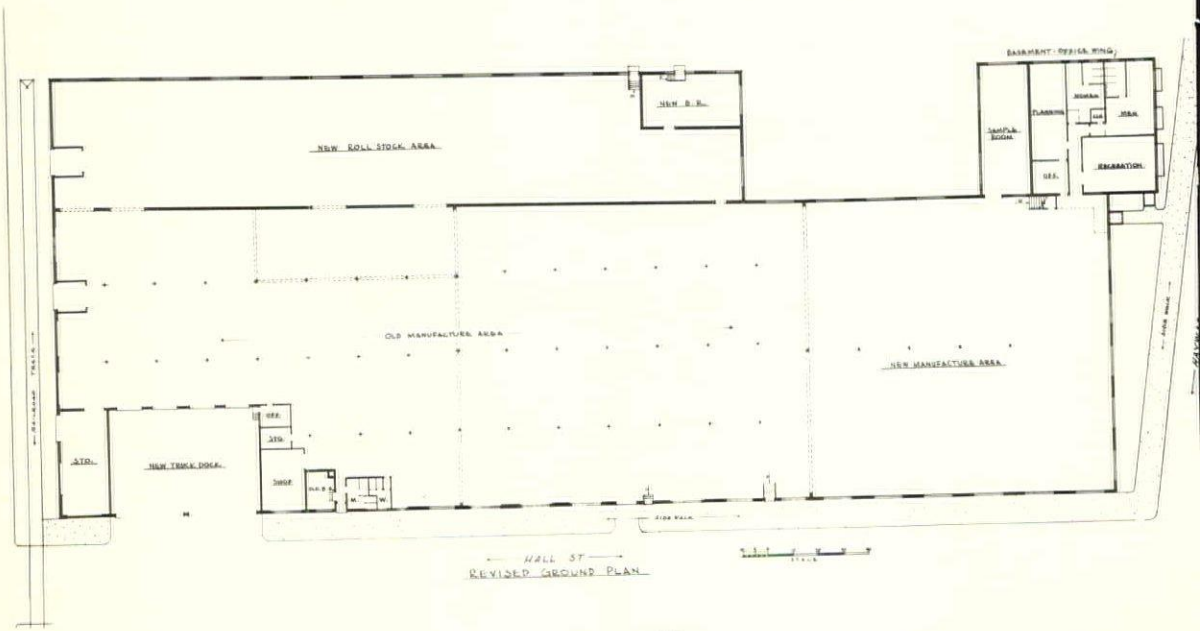
The new plant facilities for the Container Division of the International Paper Company increases the floor space to 70,000 square feet with the addition of new manufacturing space, roll stock area, boiler room, rest rooms, lunch room and offices. Space has been provided for a 380-foot long corrugator for making corrugated sheets from roll stock. This machine requires steam at 175 pound pressure and concrete under-floor storage vaults for liquid silicate have been provided with a capacity of 25,000 gallons. Rolls of paper stock weighing from 2200 to 4000 pounds each are stacked five tiers high with a new type clamp lift truck. A floor type conveyor system brings the roll stock to the corrugating machine. Railroad siding for three freight cars has been provided and a new truck dock permits loading or unloading four trailer trucks in a completely enclosed area. Mr. John B. McLaughlin built the original plant in 1950 to manufacture boxes from corrugated sheet stock and serves as an advisory consultant to the new owner. Mr. Ian Davies, Division Engineer and Mr.

(Continued on Page 14)





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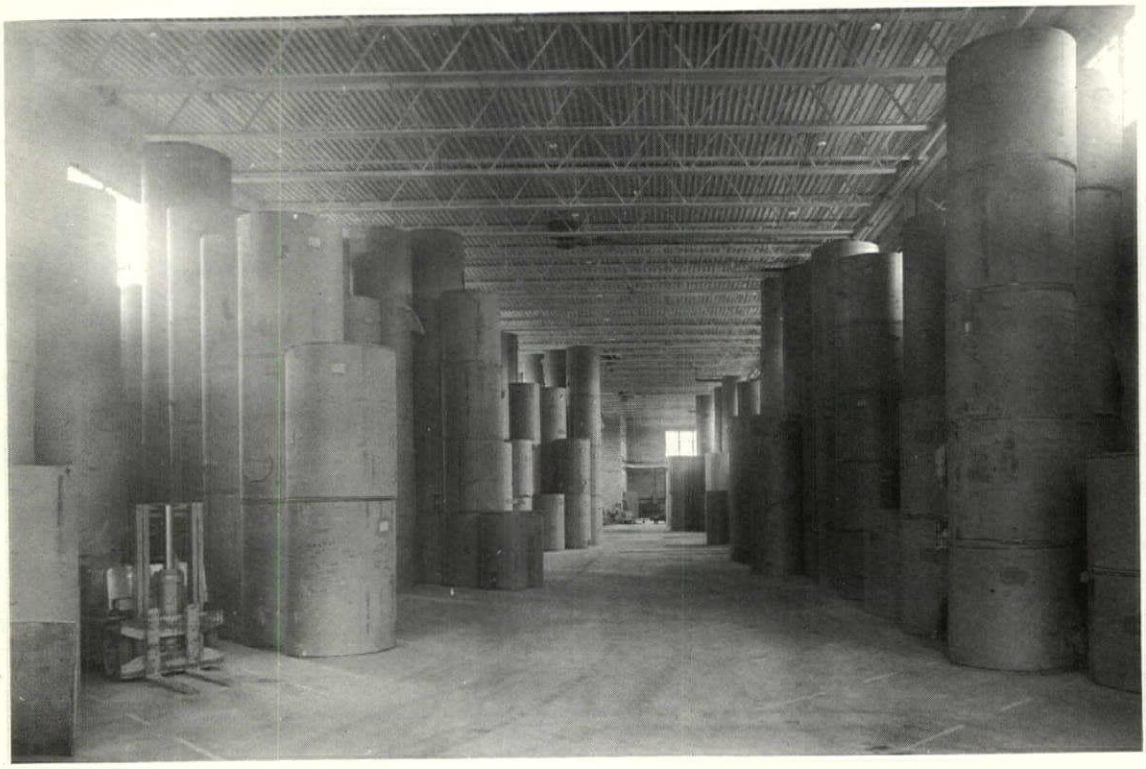

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(Continued from Page 10)

N. A. Anderson, Assistant Division Engineer of the Container Division were in charge of the project for International Paper Company and the new plant manager is Charles H. Campbell.

Foundation walls are concrete and exterior walls are concrete block painted and brick with cinder block backup. Interior partitions are cinder block in the plant area and plywood paneling in the offices. Floors are reinforced concrete with granolithic finish except the floors in the office wing are asphalt tile. Structural steel frame construction was used throughout with longspan steel joists and metal deck, insulation and bonded tar and gravel roofing. Ceilings are exposed in the plant area and acoustical tile is used in the office wing. Steel sash, both commercial and intermediate projected were used. The office wing is air conditioned. Toilet rooms have ceramic tile floors and wainscots with plastic finished wall panels above. The entire plant is protected with automatic sprinklers.

Unit heaters are used in the plant area and baseboard radiation supplies the heat in the office wing.

Fluorescent lighting has been installed in the manufacture area and office wing.

The following served as sub-contractors and suppliers of materials.

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Electrical—John J. Reilly, Manchester.

Roofing—A. W. Therrien Company, Manchester.

Steel windows, metal doors, toilet partitions, roof recks, etc.—Maurice Laframboise, Manchester.

Steel—Lyons Iron Works, Inc., Manchester.

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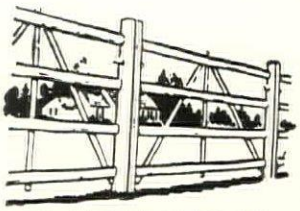

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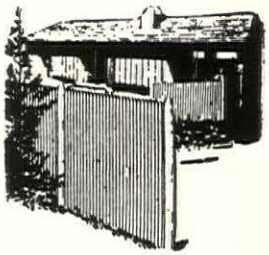

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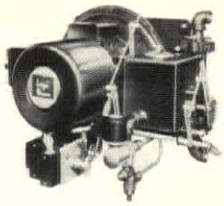

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HISTORY of the ROLFE and RUMFORD HOME

By Marion G. Shaw, Director

The Home was founded in 1852 by the Countess of Rumford, and officially opened as a Home for Protestant Girls January 10, 1880.

The old house of early American structure was built in 1764 by Col. Benj. Rolfe, one of Concord's original settlers. A wealthy, prominent personage of his time, he held the position of Clerk of the Concord Proprietary from 1731 until his death in 1770.

Mr. Rolfe took to this new home, the only mansion in town, a wife Sarah Walker, daughter of Parson Walker, minister of the First Congregational Church in Concord. This Marriage of only a few years terminated at the death of Col. Rolfe, leaving only one son, Paul.

Mrs. Rolfe later married Benj. Thompson, who came to Concord as a teacher of rooms near their own bathroom and play science, but left Concord after a few years, because of Tory interests and finally became a bearer of despatches to London, after the evacuation of Boston. In 1780 he was made Under Secretary of State and the year following Colonel of Dragoons. In 1784 he was knighted and became Sir Benj. Thompson, and was granted the privilege of touring the continent. He later became Count of Rumford of the Holy Roman Empire in recognition of his contributions to science, and important services rendered. At his request the titular distinction of Rumford, was given the little town in New Hampshire from which he made a hasty exit seventeen years before, so Concord at that time was known as the town of Rumford. The privilege of transmitting title to his daughter was also granted.

Count Rumford's only daughter Sarah was born in the old part of the Rolfe and Rumford Home October 10, 1774 and spent her youth there with her mother and brother Paul. At the death of her mother she became very lonely and upon request of her then famous father, left her native home to take up residence with him in Munich. During these years Countess Sarah made several visits to the old Home and her brother Paul and upon the death of her father returned to spend the rest of her life in the Home where she was born.

Countess Sarah left the Home and funds to establish a Home for Girls, at her death in 1852. Funds were allowed to accumulate until 1889 when the Home officially opened with twenty girls in residence. Since the training was to be chiefly domestic, it was decided to establish a grade school which was maintained until 1935. The Home has been continuously caring for needy girls and to date one hundred and thirty six girls have completed their education there, most of them staying eight to ten years.

At the present time the Home gives free care to needy girls of good average intelligence, in need of and who can profit by a wholesome home environment, during their grade and high school years. At present there are fifteen girls ranging in age from six to seventeen.

In addition to their academic training in Concord Public Schools, the girls are trained in domestic arts through participation in daily duties and the experience of good wholesome gracious living.

The Home works with all child placing agencies in the State of New Hampshire with preference given to Concord applicants, and is an active member of the N. H. Association of Child Caring Institutions.

Due to progress of time and extensive road programs, it becomes necessary to abandon the old building and residence will be moved to a new building now in process at 23 Rundlett Street, within a few months.

The Home is administered by a Board of Trustees and is entirely supported by private funds, plus a few contributions and an occasional legacy. Contributions are accepted from parents or relatives on a voluntary basis. City Overseers and County Officials are relieved of expense when girls are accepted by the Home. Gifts of money for recreational equipment and special projects are greatly appreciated.

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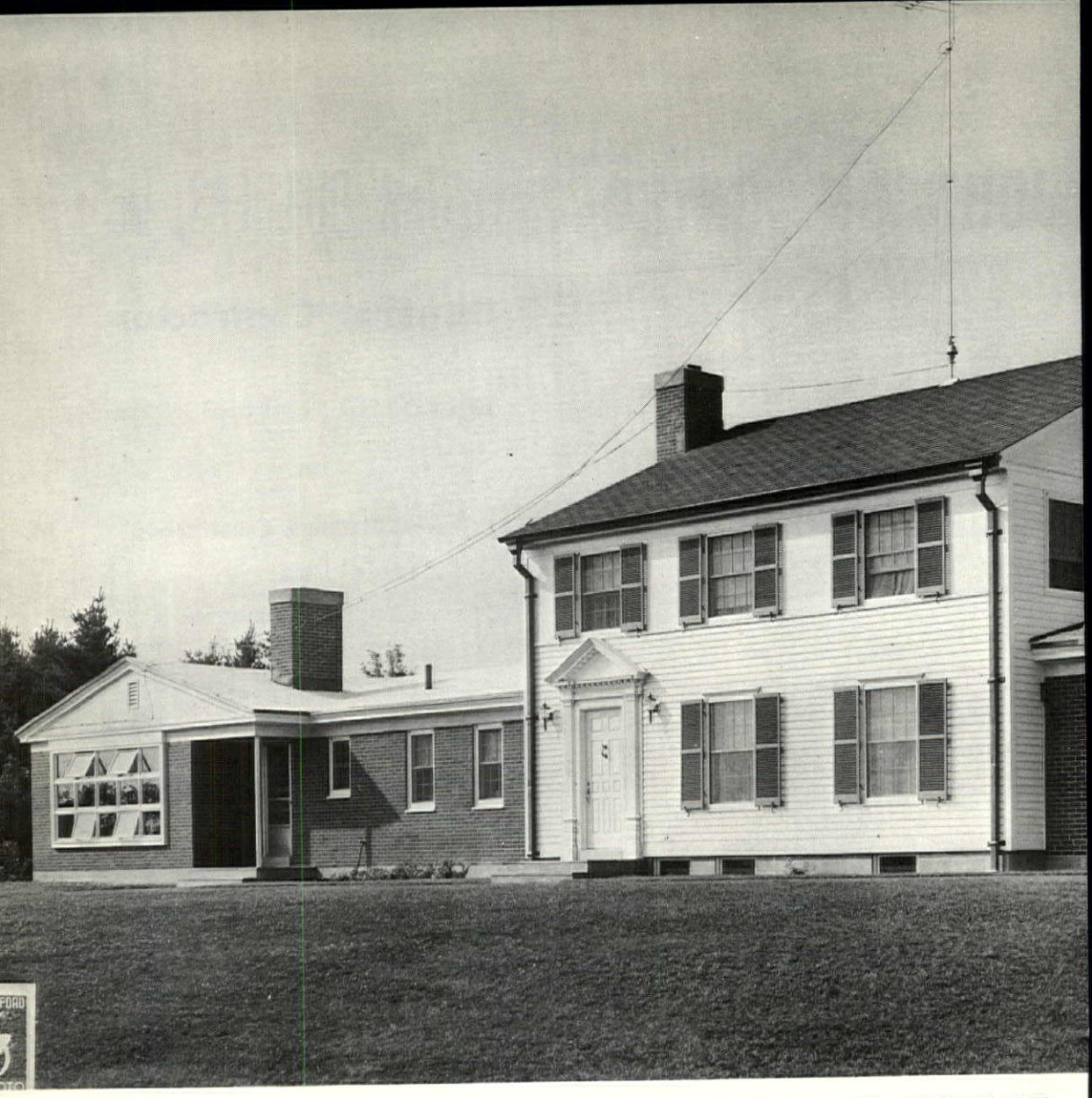


Front View, Rolfe and Rumford Home

ROLFE AND RUMF

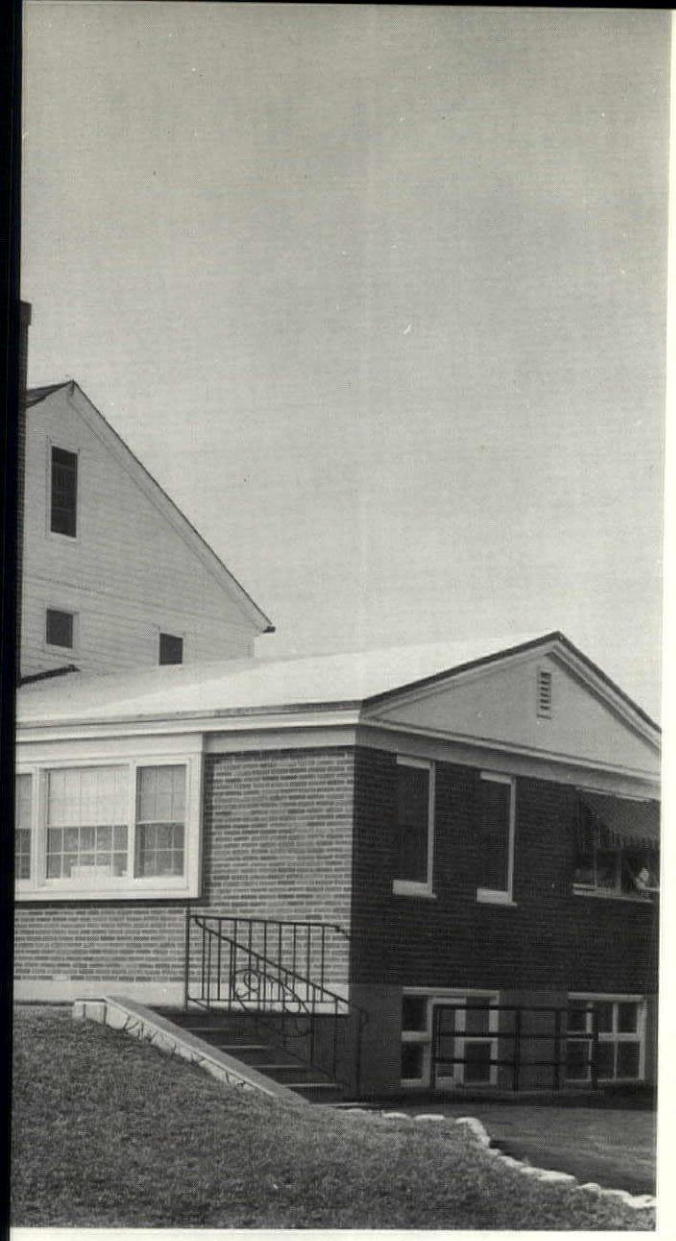
CONCORD, NEW HAMPSH

LYFORD and MAGENAU, Concord - *Architects*

PHILIP SPOFFORD, Andover, Mass. - *Heating Engineer*

ALBERT STOCK, Wolfeboro - *Sanitary and Electrical Engineer*

FOSTER BUILDERS, INC., Concord - *General Contractor*



All Photos of
Rolfe and Rumford Home
by
ERIC SANFORD
Manchester, N. H.

D HOME

ROLFE and RUMFORD HOME

Concord, N. H.

Main Entrance which is a reproduction of the original doorway on old home

A new location for this historic Home for Girls became necessary because it was located in the path of commercial and highway growth near the south end of Concord's Main Street. The Architect participated in selection of the new site which is a 3½ acre plot on high ground at the edge of the city's fastest growing residential section, reasonably near to schools and bus line.

The youngest girls occupy two double area. There is a staff bedroom and sitting room and sick room adjoining both the younger girls' and the older girls' wing. Each older girls' room is a single. The recreational room occupies a separate wing off the girls' entrance or "Mud Room" which contains hat and coat racks, drinking fountain and a lavatory for visiting boy friends. The Superintendent's Office is in a strategic location to supervise all activities but arranged for privacy when desired.

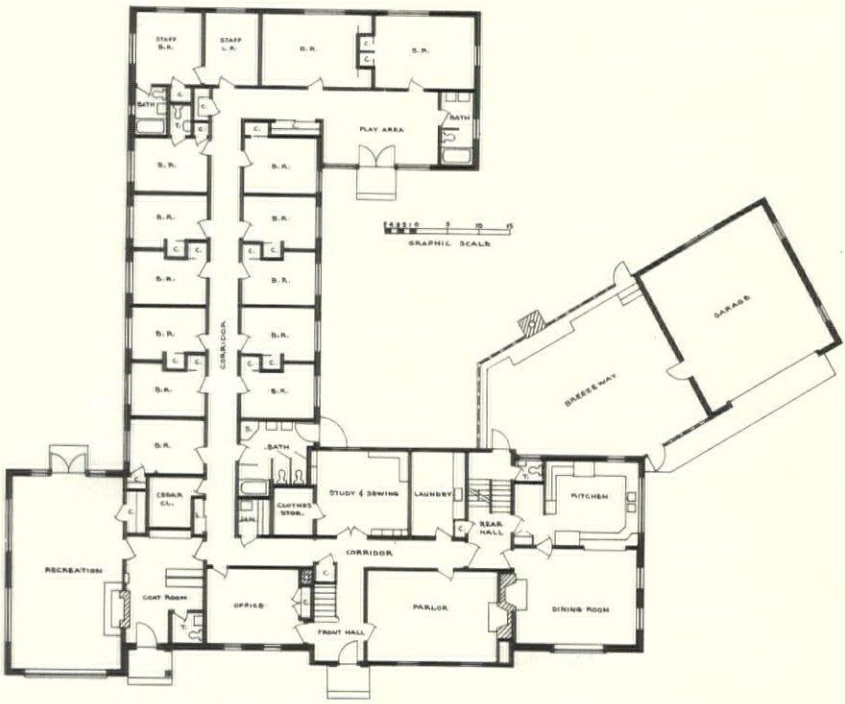
Across the front hall is the Parlor where visitors are received, guests entertained and Trustees' meetings held. Kitchen, Dining Room and Laundry are arranged as for a large family. Here the girls are given the very best training in domestic arts, as well as in the Study-Sewing Room, where double use is made practical by the adjacent large clothing storage room.

Superintendent's quarters are located upstairs in central wing, for maximum privacy. Also upstairs are a staff bedroom and a guest room. In the basement, also in central wing, are a large shop for arts, crafts and maintenance work; food storage, general storage and boiler room. On a split level between first floor and basement is a large breezeway with fireplace and barbecue grille, with two-car garage beyond.

Design is essentially Colonial as it was required to incorporate the best of the woodwork from the old Home. Accordingly the front doorway is an exact reproduction except the pediment, which was reused. Also the principal rooms contain two fireplace mantels, one granite hearth, stairway paneling, dado panels, cornice mouldings and window trim from the old home.

Materials were selected for durability and easy maintenance, except where colonial precedent dictated painted woodwork. For example the dormitory wings are of brick, exterior and interior, with aluminum windows, slate window stools, vinyl-plastic and ceramic tile floors. Ceilings are plaster, or acoustical plaster in corridors, recreation rooms, etc. Careful attention was given to fire safety in the

(Continued on Page 25)



FIRST FLOOR PLAN

The Parlor has acoustical ceiling with recessed downlights providing good lighting without detracting from the architectural treatment which incorporates mantel, dado and trim from he old home. Portrait is of Countess Sarah Rumford.

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ROLFE AND RUMFORD HOME

(Continued from Page 23)

location of exits, firedoors, selection of hardware, and the entire first floor construction over basement being reinforced concrete over concrete joists. Remainder of floor is a concrete slab on grade. Heating is forced hot water with gas fired boiler, a combination of convectors, floor and ceiling radiant panels and pneumatic temperature controls.

The Architects say that they have succeeded here in producing a fine building, aided and abetted by complete cooperation of the Trustees, excellent and business-like administration of the work by the General Contractor, and first class workmanship by his crew and the many subcontractors. But something is lacking, as a glance at the photographs shows: growing shrubs are needed to soften the lines and tie the building into the landscape. When planting is done, the project will be complete.

SUB-CONTRACTORS:

Heating — Northern Heating and Plumbing Company, Laconia.

Heating Controls—Johnson Service Company, Boston, Mass.

Electrical—Superior Electric Company, Concord.

Plumbing—Hall Brothers Oil Company, Concord.

Hardware—J. J. Moreau & Son, Inc., Manchester.

Structural Steel—Lyons Iron Works, Inc., Manchester.

Roofing—D. G. Houle Company, Inc., Grasmere.

Glass and Glazing—Adams Glass Company, Inc., Concord.

Masonry—A. Taylor Corporation, Concord.

Painting—Alexander Lercari Company, Boston, Mass.

Site Development—Robie Construction Company, Inc., Manchester.

Millwork—Concord Lumber Company, Concord.

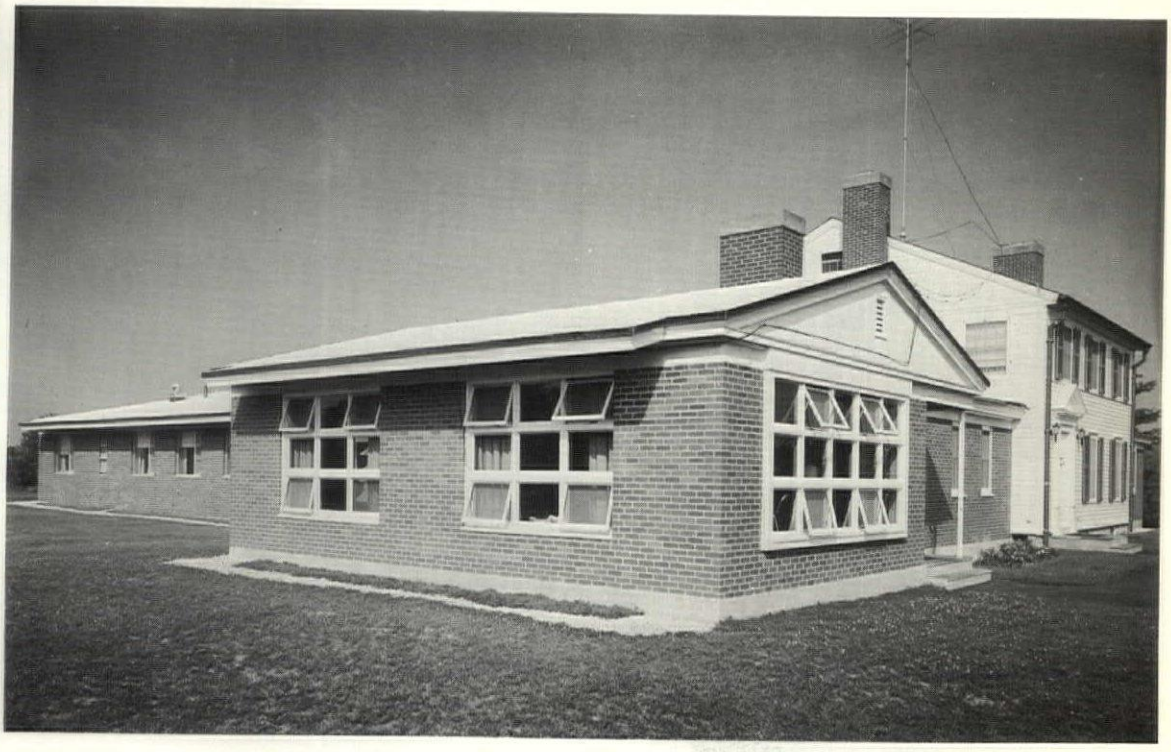
Ceramic Tile—Merrimac Tile Company, Inc., Derry.

Slate Window Sills—Vermont Structural Slate Company, Inc., Fair Haven, Vt.

Cement Floors—Connie's Cement Floor Company, Inc., Suncook.

Metal Door Frames and Toilet Partitions—Maurice Laframboise, Manchester.

Toilet Accessories—C. E. Wilber & Company, Inc., Concord.



Exterior showng Recreation and Dormitory wings.

Breezeway between Garage and House, with Barbecue grille, wood roof, exposed steel joists, aluminum screens, granite walls, colored concrete floor.

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Philosophy of Living . . .

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KOEHLER and ISAAK, A. I. A.
Manchester, N. H.
Architects

PHIL A. PAQUETTE and SON
Manchester, N. H.
General Contractors

All photos of Saidel Residence by Eric Sanford, Manchester

Exterior View

T'is a tight-rope to discuss a completed building either for your architectural colleagues or for your clients' reception.

The impersonal, technical disection perhaps is more informative, but in this particular house an attempt will be made to state the philosophy of living which created it.

The Program: Two living units complete in themselves with an ability to open for living in one unit.

The Site: High on a hill in the township of Bedford, New Hampshire, view to the east, back living area open to a ravine peopled with wild-life.

The Clients: Wonderful people: Mr. and Mrs. Ray Saidel and children, and Mrs. Saidel, Ray's Mother.

The reason the Saidels moved their lives to the country, on a hilltop, was not to roll rocks and boulders down on all who would visit them—quite the contrary, they are wonderfully warm hosts—they felt a need for a change of pace from working in Manchester to living on this hill. Now any number of people dream of doing this sort of thing but few get around to it. The plans and photographs explain much more than can be written; walk in any door, there are eight, you'll find the personalities of the Saidels in every room.

Radiant heated concrete floors, concrete block, wood, glass, ceramic tile baths, fireplaces, open and closed terraces and playroom, all these alone could not alone make this a successful building, it was the concept expressed by the Owners, the interpretation by the Architect and solidifying by the Contractor.

Heating & Plumbing—Tremblay Bros., Inc., Manchester.

Electrical—Myron Rybczyk, Manchester.

Painting—Eric Anderson, Manchester.

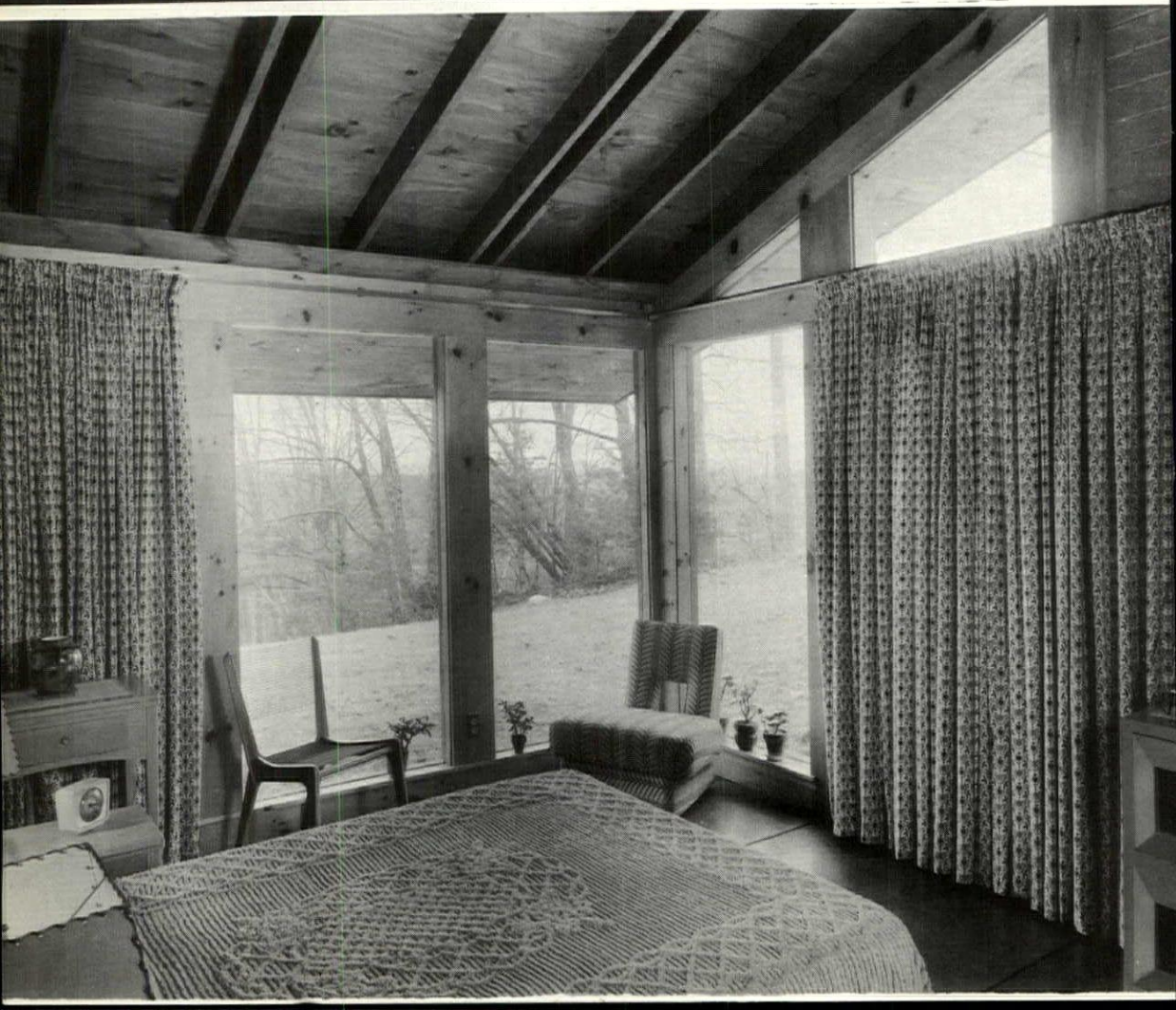
Blocks—Duracrete Block Co., Inc., Manchester.

Counter Tops—Dean's Floor Covering Center, Manchester.

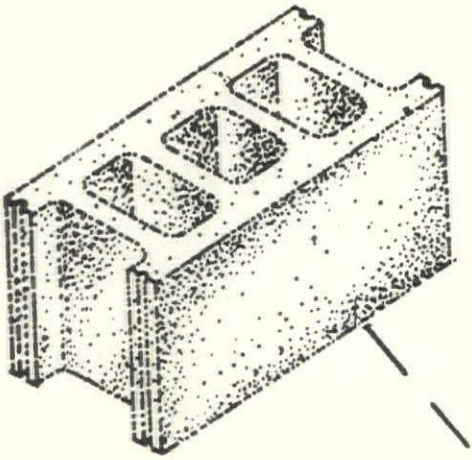
Ceramic Tile—Triangle Tile Co., Manchester.

Masonry—Arthur Henault, Manchester.

Portion of Living and Dining Area



View of Stairway and Entrance Terrace



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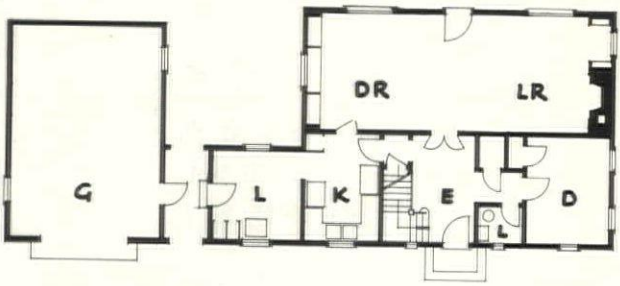
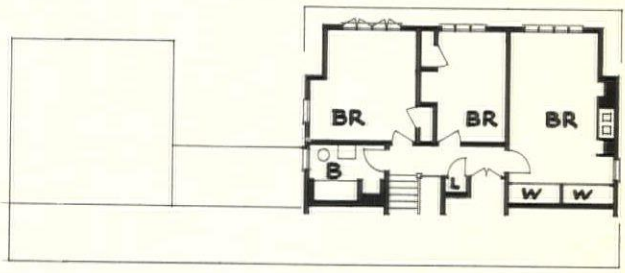
Exterior View of English Home, North Swanzey



FIRST FLOOR PLAN
SCALE 0 5' 10' 15'



SECOND FLOOR PLAN
SCALE 0 5' 10' 15'

Residence of Mr. and Mrs. Edward English
North Swanzey, N. H.

JOHN R. HOLBROOK, A. I. A.
Keene, N. H.
Architect

DONALD G. PARKER
Keene, N. H.
General Contractor

Photos by
JACK TEEHAN
Keene, N. H.

Situated on the west slope of a heavily wooded area in North Swanzey, N. H., the Edward English residence overlooks the Ashuelot valley and nearby Keene, N. H.

Development of the plan to take advantage of the natural beauty of the setting, and full use of the wooded area in the rear of the house, for informal living, was accomplished through the close cooperation of the architect and owner.

The exterior treatment in using vertical ship lap siding in conjunction with clapboards has produced a modern version of the typical Cape Cod exterior.

The interior plan has also carried out the modern treatment for informal living with a combination living-dining room with pine panelling at each end.

Interior colors were selected by the owner and all walls are painted throughout the house in various shades of complimentary colors.

CONSTRUCTION:

Foundation walls—concrete blocks.

Exterior walls—clapboards and vertical siding.

Interior walls—plaster, knotty pine and plaster board.

Floors—hardwood and linoleum.

Sub-contractors and suppliers of material were:

Plumbing and heating—George S. Tetreault, Keene.

Exterior painting—Edward S. Smith, Keene.

Building supplies—Keene Building Supplies Corp., Keene.

Lumber— Charles Beauregard & Sons, Marlboro.

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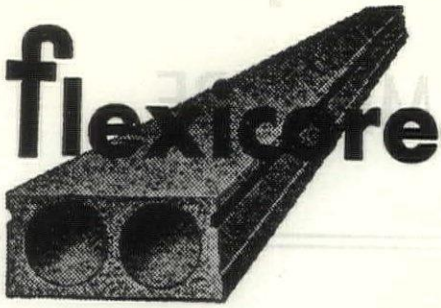

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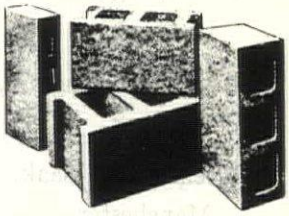

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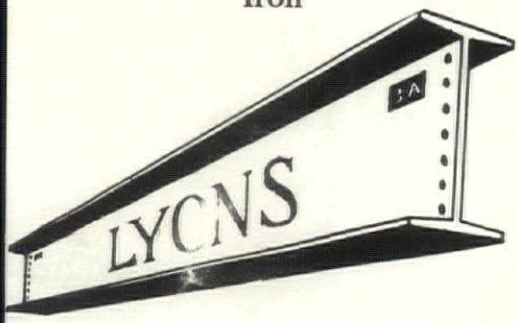

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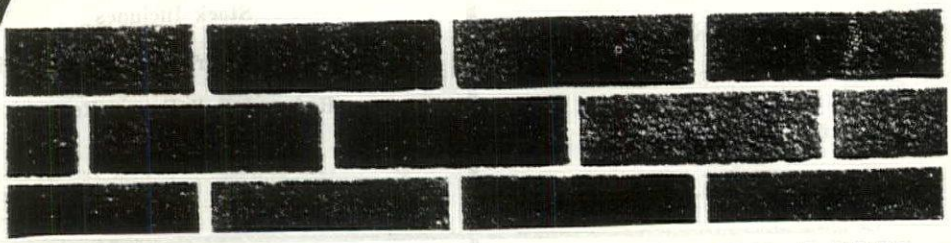

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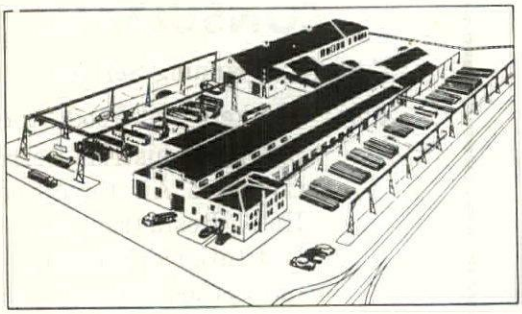

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